

SALUS
CONTROLS PLC

iT500 Internet Thermostat



USER MANUAL

Product compliance & safety information

These instructions are applicable to the SALUS Controls model stated on the front cover of this manual only, and must not be used with any other make or model.

This accessory must be fitted by a competent person, and installation must comply with the guidance provided in the current IEE Wiring Regulations and current Building Regulations. Failure to comply with the requirements of these publications could lead to prosecution.



**Always isolate the AC Mains supply before installing or working
on any components that require 230 VAC 50Hz supply.**

**When fitting batteries, do not mix old and new batteries together.
Do not use rechargeable batteries.**

Please leave these instructions with the end user where they should be kept in a safe place for future reference.

Contents of the box



iT500 Thermostat



iT500RX Receiver



iTG500 Gateway



iT300



ADSL Cable



iTA500 Power Cable



Fixing screws & plugs



Wall mount



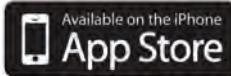
Wall mount

Installation

Please refer to the installation guide.
The installation guide also shows how to connect your iT500 thermostat to the internet.



Connection & Control



www.salus-controls.com

For details please refer to page 18 in the installation manual.

LCD Overview

LCD ICONS	DESCRIPTION	FUNCTION
	Day of the week	Displays the number of the day of the week. 1 being Monday
	Temperature indicator	Displays set or measured temperature
	Clock display	Displays time
	Program number indicator	Displays the number of the active (selected) program
	Heat mode indicator	Indicates heating output is turned on*
	Heat zone indicator	Indicates heating zone*
	Hot water indicator	Indicates hot water control*
	Hot water mode indicator	Indicates hot water output is turned on*
	RF signal indicator	Indicates the unit is transmitting a wireless signal to iT300*
	Touch lock indicator	Indicates touch lock is activated
	Battery status	Indicates battery is low
	Holiday indicator	Indicates holiday operation mode is selected
	Internet indicator	Indicates connection to iTG500 and SALUS server
	Cooling indicator	Indicates cooling output is on*
	ON indicator	Hot water continuously on*
	Once indicator	Hot water is on once*
	AUTO indicator	Automatic program mode
	OFF indicator	Off mode
	Setting indicator	Manual override or settings mode

* System configuration specific.

Controls



Identify your system type

The system type is unique to your system configuration.
The system will be set by your installer and should only
be changed by your installer.



1 One central heating zone only.



iT500 Display



Smartphone Display



PC Display



2 Two central heating zones.



iT500 Display



Smartphone Display



PC Display



3 One central heating zone plus hot water.



iT500 Display



Smartphone Display



PC Display

One Central Heating Zone System PC & Smartphone Control

Now that you have identified your system type, you can use your PC or smartphone to fully control your iT500.



Energy save will use the lowest set temperature on your daily schedule.



Will be displayed when the current program has been manually overridden



*Press AUTO to cancel temporary override of program temperature.



1 One central heating zone only.

Follows weekly
schedule

Energy
save
mode

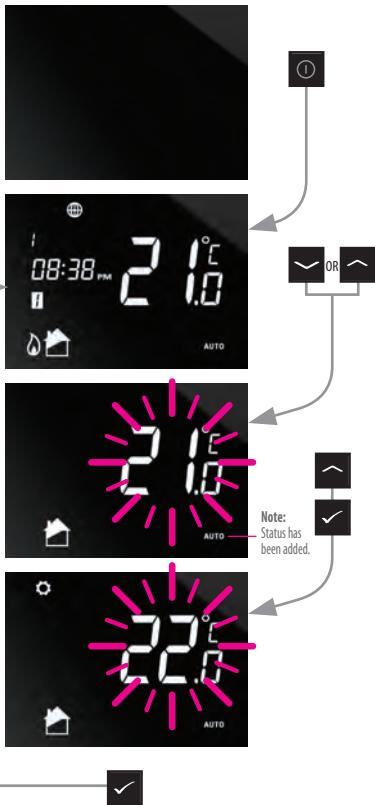
Heating
continuously
off

One Central Heating Zone System Local Control

Control available on your Smartphone or PC is also available locally on the iT500.

Temporary override of your temperature

Press the power button to start and use the buttons indicated to change the SET temperature. Then press the tick to accept.



The operations described in the next few pages can be controlled via your Smartphone or PC.

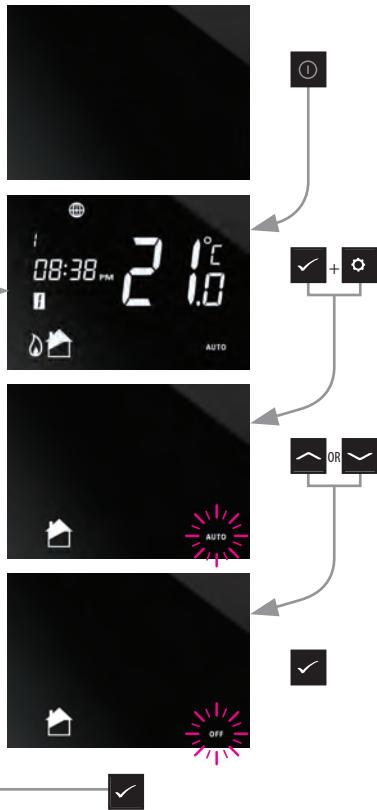


All changes made locally on the iT500 will automatically update PC and Smartphone.

One Central Heating Zone System Local Control

Switching your heating from AUTO to OFF.

Press the power button to start and use the buttons indicated to switch from AUTO to OFF.



Two Central Heating Zones System PC & Smartphone Control



2

Two central heating zones.

Now that you have identified your system type, you can use your PC or smartphone to fully control your iT500.



For information regarding the control of an individual zone via Smartphone or PC, please refer to page 8.

The screenshot shows the iT500 mobile application interface. At the top, there are three tabs: HEATING 1, HEATING 2, and SETTINGS. The HEATING 1 tab is active, displaying a large digital thermometer showing 24°C.5. Below it are buttons for AUTO, HOLIDAY SAVVY, and OFF. To the right of the thermometer are buttons for ALL, 5/2, and INDIVIDUAL, with MON-FRI and SAT-SUN options underneath. A table lists six programs with their times and temperatures: Program 1 (7:10 am, 21.0 °C), Program 2 (9:00 am, 15.0 °C), Program 3 (10:40 am, 24.0 °C), Program 4 (12:10 pm, 23.0 °C), Program 5 (2:50 pm, 17.5 °C), and Program 6 (9:20 pm, 15.0 °C). A note at the bottom states "Holiday not set". Below the table, there are fields for "Holiday Start" (14-08-2013 1:38 pm) and "Holiday End" (14-08-2013 1:38 pm).

The screenshot shows the HOUSE SUMMARY screen. It displays two heating zones: Zone 1 (HEATING AUTO, 24.0 °C) and Zone 2 (HEATING AUTO, 0.0 °C). Below the summary are navigation icons for Home, Holiday, Settings, and Back.

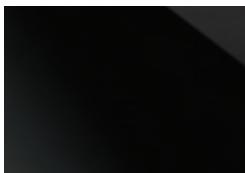
Enter Zone 1

Enter Zone 2

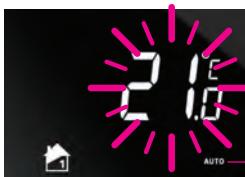
Two Central Heating Zones System Local Control

**Temporary override of your temperature
Zones 1 & 2.**

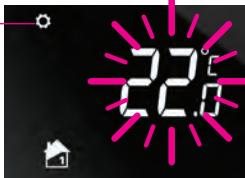
Press the power button to start and use the buttons indicated to change the SET temperature. Then press the tick to accept.



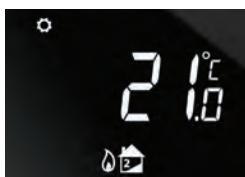
Note:
Status has
been added.



Note:
Gear wheel is now
now illuminated indicating
manual override of set
temperature.



Note:
Status has
been added.

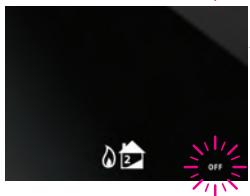
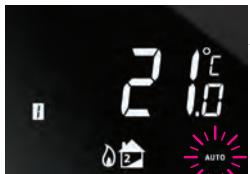
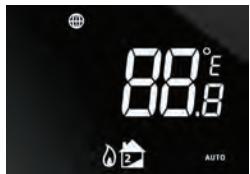
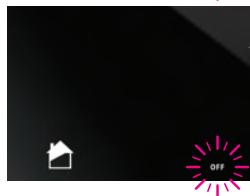
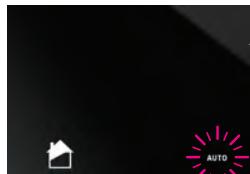
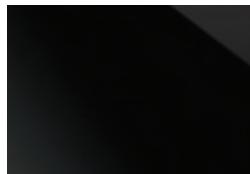


Two Central Heating Zones System Local Control

Switching your heating from AUTO to OFF.
Zones 1 and 2.

Press the power button to start and use the buttons indicated to switch from AUTO to OFF.

 To go straight to zone
two, short press 



One Central Heating Zone + Hot Water System PC & Smartphone Control

Now that you have identified your system type, you can use your PC or smartphone to fully control your iT500.



Energy save will use the lowest set temperature on your daily schedule.



Will be displayed when the current program has been manually overridden



*Press AUTO to cancel temporary override of program temperature.

The screenshot shows the iT500 control panel interface. At the top, there are three buttons: 'HEATING' (green), 'HOT WATER' (blue), and 'SETTINGS' (grey). Below these are three status buttons: 'AUTO' (green), 'ENERGY SAVE' (yellow), and 'OFF' (grey). A large digital display shows 'CURRENT TEMPERATURE' of 24.5°C with up and down arrows. Below the display, it says 'HEATING AUTO'. To the right, a table shows a weekly heating schedule:

Program	Time	Temp
1	7:10 am	21.0 °C
2	9:00 am	15.0 °C
3	10:40 am	24.0 °C
4	12:10 pm	23.0 °C
5	2:50 pm	17.5 °C
6	9:20 pm	15.0 °C

Below the schedule, it says 'Holiday not set'. Under 'Holiday Start', it shows '14-08-2013 1:38 pm'. Under 'Holiday End', it shows '14-08-2013 1:38 pm'.



3

One central heating zone plus hot water.

The screenshot shows the 'HOUSE SUMMARY' screen. It displays two main controls: 'HEATING AUTO' set at 24°C and 'HOT WATER AUTO'. Below these controls are four navigation icons: 'CURRENT TEMP', 'HOLIDAY SCHEDULE', 'SETTINGS', and a back arrow.

One Central Heating Zone + Hot Water System PC & Smartphone Control

The image displays two screenshots of the iT500 control interface, illustrating the integration of central heating and hot water system control.

Left Screenshot: Heating Control

- Top Bar:** Shows three modes: **AUTO**, **ENERGY SAVE**, and **OFF**.
- Current Temperature:** Displays **25.0 °C**. Below it, a house icon indicates **HEATING AUTO**.
- Schedule:** Shows a weekly heating schedule with five entries:

PROGRAM	TIME	TEMPERATURE
3	11:00 AM	21.0
4	1:00 PM	14.0
5	4:00 PM	21.0
- Buttons at the bottom:** **Home**, **Holiday**, **Settings**, and **Back**.
- Annotations:**
 - Follows weekly schedule**: Points to the **AUTO** mode button.
 - Energy save mode**: Points to the **ENERGY SAVE** button.
 - Heating continuously off**: Points to the **OFF** button.
 - Override program temperature***: Points to the up and down arrow buttons next to the current temperature display.
 - Change/view weekly heating schedule**: Points to the **WEEKLY DETAIL** button in the schedule table.
 - Current program**: Points to the highlighted row in the schedule table (Program 4).

Right Screenshot: Hot Water Control

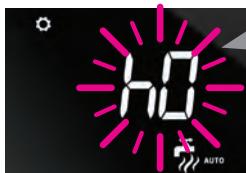
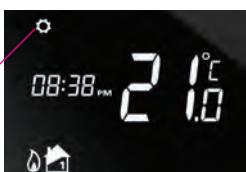
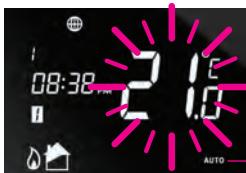
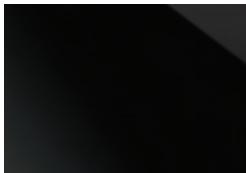
- Top Bar:** Shows four modes: **AUTO**, **ONCE**, **CONTINUOUS**, and **OFF**.
- Title:** **HOT WATER OFF**.
- Schedule:** Shows a weekly hot water schedule with three entries:

PROGRAM	TIME	ON / OFF
1	7:40 AM	OFF
2	9:30 AM	ON
2	5:00 PM	OFF
- Buttons at the bottom:** **Home**, **Holiday**, **Settings**, and **Back**.
- Annotations:**
 - Change/view weekly hot water schedule**: Points to the **WEEKLY DETAIL** button in the schedule table.
 - Current program**: Points to the highlighted row in the schedule table (Program 2).
 - Hot water boost**: Points to the **BOOST** button with its value set to **0 Hrs**.

One Central Heating Zone + Hot Water System Local Control

**Temporary override
of your temperature
and boosting your
hot water.**

Press the power button to start and use the buttons indicated to change the SET temperature. Then press the tick to accept.



To go straight to hot water, short press 

 Press to cancel
temporary override.

Note:
Gear wheel is now
illuminated indicating
manual override of set
temperature.

Note:

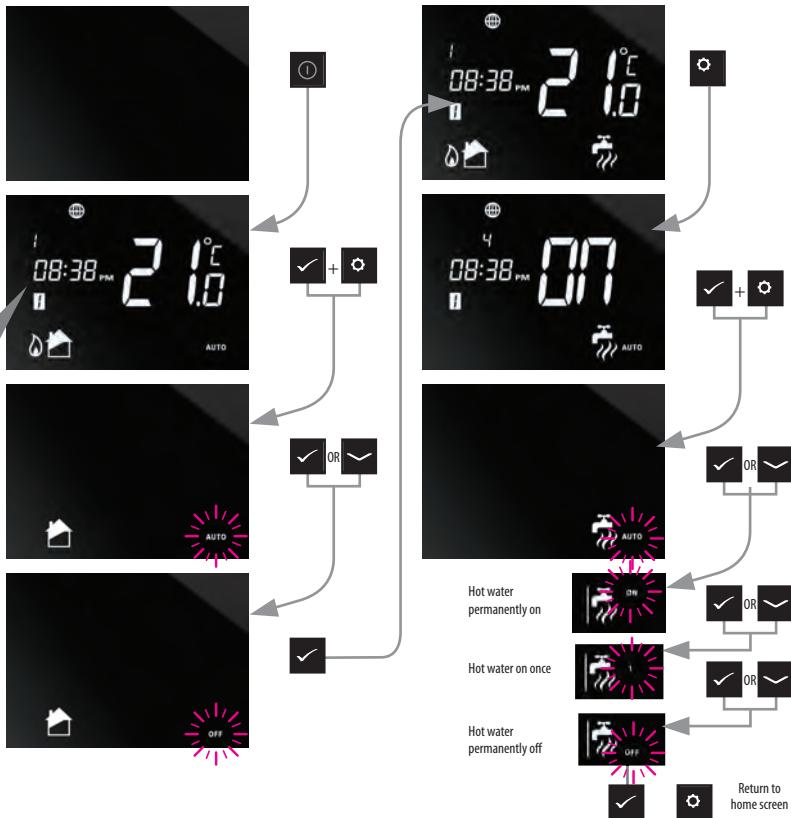
- Status has been added

Return to home screen

One Central Heating Zone + Hot Water System Local Control

Switching your heating from AUTO to OFF and overriding hot water AUTO mode.

 To go straight to hot water, short press 



Default Program Schedules

Central Heating

PROGRAM	WEEKDAY (1 to 5)	WEEKDAY (6 to 7)
1	Time 6:00am Setpoint Temp 21°C	Time 6:00am Setpoint Temp 21°C
2	Time 8:00am Setpoint Temp 14°C	Time 8:00am Setpoint Temp 14°C
3	Time 11:00am Setpoint Temp 21°C	Time 11:00am Setpoint Temp 21°C
4	Time 1:00pm Setpoint Temp 14°C	Time 1:00pm Setpoint Temp 14°C
5	Time 4:00pm Setpoint Temp 21°C	Time 4:00pm Setpoint Temp 21°C
6	Time 9:00pm Setpoint Temp 14°C	Time 9:00pm Setpoint Temp 14°C

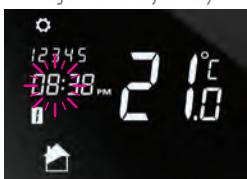
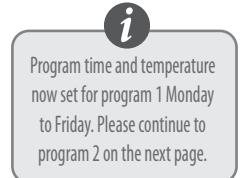
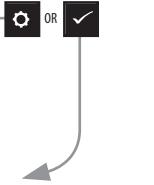
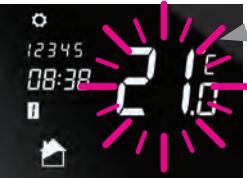
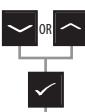
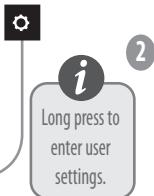


Your iT500 comes pre-set with these default program schedules. These can be easily changed via the PC or Smartphone App.

Hot Water

PROGRAM	OP	WEEKDAY (1 to 5)	WEEKDAY (6 to 7)
1	ON OFF	6:00am 8:00am	6:00am 8:00am
2	ON OFF	10:00am 12:00pm	10:00am 12:00pm
3	ON OFF	6:00pm 10:00pm	6:00pm 10:00pm

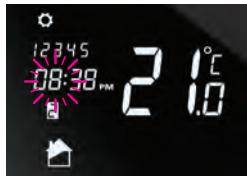
Viewing or changing your program schedule



C Individual day programming

Viewing or changing your program schedule

4



You are now ready to set program 2
Repeat steps ① ② and ③ for program

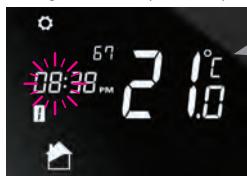
OR



3456

Program for Saturday and Sunday

5



Repeat steps ① ② and ③ for program

OR



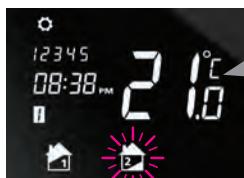
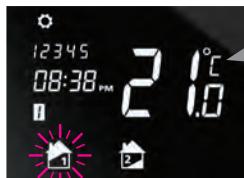
23456



All programs now set



Two zone configuration



Please follow steps ① to ⑤
starting on previous page

Viewing or changing your program schedule



Central heating and hot water



To enter Central Heating program



To select Hot Water program



Follow steps ① to ⑤ on previous two pages



Please follow steps ① to ⑤
starting on previous two pages



Note: Hot Water has ON and OFF for specific
program times rather than temperatures

Program Menu: Setting Time and Date



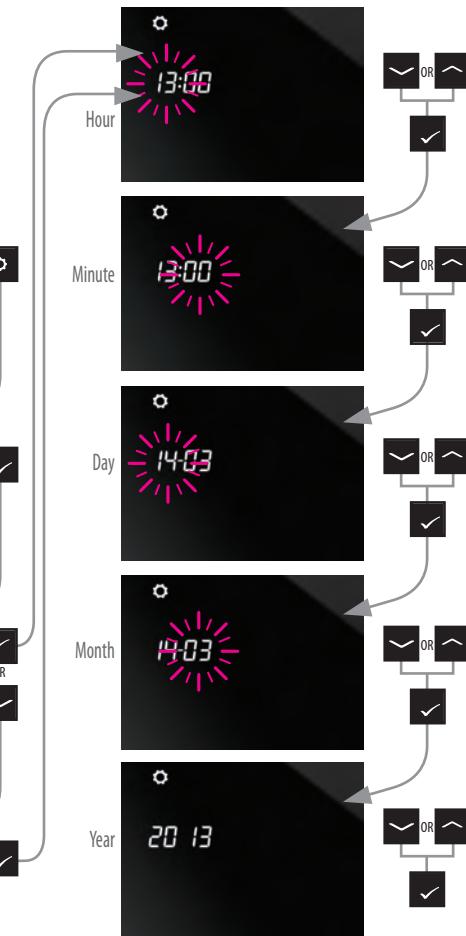
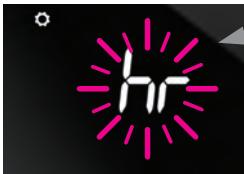
When connected to the internet, the iT500 will set the time and date automatically. However this can also be set manually.



Long press to enter user settings.



At any time press and hold for 5 seconds to return to the home screen.



Useful information



You can only activate holiday function via the Web App and Smartphone App.

Exiting Holiday Mode

To exit holiday mode, press and hold the button.



Cancel Temporary Override

To cancel temporary override of set temperature press .



Exiting Energy Mode

To enter or exit energy mode, press and hold the button.



Lock Function

To enable or disable lock function press and together.



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